2684
PATENT
11/29/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Keith R. Baldwin, et. al.

Serial No.: 09/918,409

Filed: July 30, 2001

Title: PACKET ACQUISITION AND
CHANNEL TRACKING FOR A
WIRELESS COMMUNICATION
DEVICE CONFIGURED IN A ZERO
INTERMEDIATE FREQUENCY
ARCHITECTURE

§ Attorney Docket: INSL:0015

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Group Art Unit: 2684

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Examiner: Unassigned

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Deena Beasley
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Commissioner for Patents
Washington, D.C. 20231

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Enclosed for filing in the above-referenced patent application are:

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1. Information Disclosure Statement;
2. Substitute Form 1449A;
3. Copies of references cited on Substitute Form 1449A; and
4. Return Receipt Postcard.

No fees are believed to be due in connection with the filing of these materials. If fees are due, the Commissioner is hereby authorized to charge the Deposit Account of Gary R. Stanford, Account No. 50-1469.

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Respectfully submitted,

Date: November 18, 2002

By: *Gary R. Stanford*

Gary R. Stanford
Reg. No. 35,689

Law Offices of Gary R. Stanford
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Austin, Texas 78703
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Deena Beasley
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Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted:

X under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of international
application; or before mailing date of first office action on the merits;
whichever occurs last)

— under 37 CFR 1.97(c) together with either a:
— Statement under 37 CFR 1.97(e), or
— a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before final action or notice of allowance,
whichever occurs first)

— under 37 CFR 1.97(d) together with a:
— Statement under 37 CFR 1.97(e), and
— a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before
payment of the issue fee)

X Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together
with copies, of patents, publications or other information of which applicant(s) are aware, which
applicant(s) believe(s) may be material to the examination of this application and for which there
may be a duty to disclose in accordance with 37 CFR 1.56.

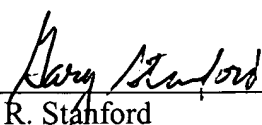
The relevance of the attached references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

Date: November 18, 2002

By:



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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/918,409
				Filing Date	July 30, 2001
				First Named Inventor	Keith R. Baldwin
				Art Unit	2684
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	INSL:0015

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	AA	US-5,661,761	08-26-1997	Iwamatsu	Column 13, line 26 – column 14, line 44
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	AG	WO 95/30275 A	11-09-1995	Qualcomm Inc.	Page 7, line 32 – page 9, line 21; figures 1,3 Page 14, line 27 – page 15, line 11; figure 7 Page 17, line 3 – page 18, line 17; figure 9	
	AH	EP 0 948 128 A1	10-06-1999	Motorola Inc.	Column 2, line 48 – column 4, line 10; figure 1 Column 4, line 40 – column 5, line 12	
	AI	EP 0 719 013 A2	06-26-1996	AT and T Corp.	Column 4, line 28 – column 5, line 17 Column 5, line 54 – column 8, line 32; figures 1,3,4	
	AJ	EP 0 964 557 A1	12-15-1999	Lucent Inc.	Page 4, line 21 – page 5, line 38	
	AK	WO 98/38799 A	09-03-1998	Maxim Inc.	Page 5, line 9 – page 9, line 12; figure 2	
	AL	WO 97/06604 A	02-20-1997	Numa Technologies, Inc.	Abstract Page 9, line 25 – line 34 Page 20, line 23 – line 26 Page 21, line 13 – page 22, line 2 Figure 5	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	09/918,409
				Filing Date	July 30, 2001
				First Named Inventor	Keith R. Baldwin
				Group Art Unit	2684
				Examiner Name	Unassigned
				Attorney Docket Number	INSL:0015
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	A. Abidi, "Direct-Conversion Radio Transceivers for Digital Communications", <i>IEEE Journal of Solid-State Circuits</i> , Vol. 30, No. 12, December 1995, pages 1399 - 1410	
	CB	B. Razavi, "Design Considerations for Direct-Conversion Receivers", <i>IEEE Transactions on Circuits and Systems - II: Analog and Digital Signal Processing</i> , Vol 44, No. 6, June 1997, pages 428 - 435	
	CC	J. Cavers et al., "Adaptive Compensation for Imbalance and Offset Losses in Direct Conversion Transceivers", <i>IEEE Transactions on Vehicular Technology</i> , Vol. 42, No. 4, November 1993, pages 581 - 588	
	CD	A. Bateman et al., "Direct Conversion Transceiver Design for Compact Low-Cost Portable Mobile Radio Terminals", <i>IEEE Veh. Tech. Conf.</i> , 1989, pages 57 - 62	
	CE	S. Sampei et al., "Adaptive DC-Offset Compensation Algorithm for Burst Mode Operated Direct Conversion Receivers", <i>IEEE Veh. Tech. Conf.</i> , 1992, pages 93 - 96	
	CF	PCT Notification of Transmittal of the International Search Report or the Declaration, dated April 2, 2002, 7 pages.	
	CG	H. Tsurumi et al., "System-Level Compensation Approach to Overcome Signal Saturation, DC Offset, and 2 nd -Order Nonlinear Distortion in Linear Direct Conversion Receiver," <i>IEICE Transactions on Electronics</i> , Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E82-C, no. 5, May 1999	
	CH	PCT Notification of Transmittal of the International Search Report or the Declaration, dated October 2, 2002, 8 pages.	

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